



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

01-16-04

Patent Application

Applicant(s): S.H. Maes et al.
Docket No.: YOR919990542US1
Serial No.: 09/776,654
Filing Date: February 5, 2001
Group: 2174
Examiner: Steven Paul Sax

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature

Date: January 8, 2004

Title: System and Method for Multi-Modal Focus Detection,
Referential Ambiguity Resolution and Mood Classification
Using Multi-Modal Input

INFORMATION DISCLOSURE STATEMENT

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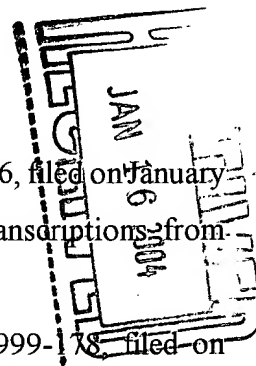
Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants' attorney wishes to bring to the attention of the Patent and Trademark Office the following documents listed on the accompanying Form PTO-1449. A copy of each listed document is enclosed, other than published U.S. patent documents.

U.S. Patent Documents

1. U.S. Patent No. 6,594,629 issued on 07/15/03 to Basu et al.
2. U.S. Application Serial No. 09/015,150 (attorney docket no. YO997-386, filed on January 29, 1998 and entitled "Apparatus and Method for Generating Phonetic Transcriptions from Enrollment Utterances."
3. U.S. Application Serial No. 09/507,526 (attorney docket no. YO999-178, filed on February 18, 2000 and entitled "Systems and Methods for Synchronizing Multi-Modal Interactions."

Other Documents

1. C.V. Neti et al., "Word-Based Confidence Measures as a Guide for Stack Search in Speech Recognition," ICASSP97, Munich, Germany, 4 pages, April 1997.



2. N.R. Garner et al., "Robust Noise Detection for Speech Detection and Enhancement," Electronics Letters, Vol. 33, No. 4, pp. 270-271, February 1997.
3. B.S. Atal et al., "A Pattern Recognition Approach to Voiced-Unvoiced-Silence Classification with Applications to Speech Recognition," IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. ASSP-24, No. 3, pp. 201-212, June 1976.
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15. Andrew W. Senior, "Face and Feature Finding for a Face Recognition System," Proceedings of the Second International Conference on Audio- and Video-based Biometric Person Authentication, 6 pages, March 1999.

16. D.K. Freeman et al., "The Voice Activity Detector for the Pan-European Digital Cellular Mobile Telephone Service," IEEE, CH2673-2, pp. 369-372, 1989.

17. S.P. Whiteside, "Simulated Emotions: An Acoustic Study of Voice and Perturbation Measures," ICSLP '98, 4 pages, 1998.

18. C. Pereira et al., "Some Acoustic Characteristics of Emotion," ICSLP '98, 3 pages, 1998.

19. N. Amir et al., "Towards an Automatic Classification of Emotions in Speech," ICSLP '98, 4 pages, 1998.

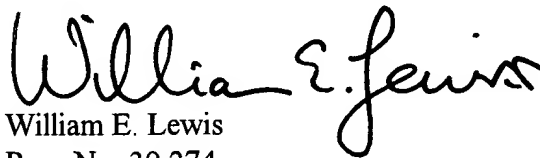
20. Iain Matthews, "Features for Audio-Visual Speech Recognition," Ph.D dissertation, School of Information Systems, University of East Anglia, pp. 1-207, September 1998.

21. A.H. Gee et al., "Determining the Gaze of Faces in Images," University of Cambridge, CUED/F-INFENG/TR 174, pp. 1-20, March 1994.

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Respectfully submitted,



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Date: January 8, 2004